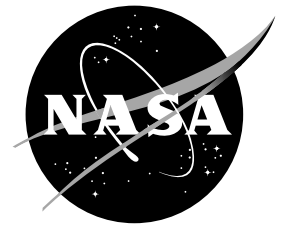


NASA Facts

National Aeronautics and
Space Administration

John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
AC 321 867-2468



KSC Release No. 92-131
February 1993
(Revised March 2000)

KSC and Space-Related Area Attractions



Apollo/Saturn V Center at Kennedy Space Center

Kennedy Space Center Visitor Complex

Kennedy Space Center, FL 32899
(321) 452-2121

TDD for hearing-impaired: (321) 454-4198

Current launch information:

(800) KSC-INFO (in Florida only)

Hours/Admission:

The Visitor Complex opens at 9 a.m. every day of the year, except Christmas Day and certain launch days. Closing time varies with the seasons, typically later in summer. Launch day opening and closing times vary with the mission. Visitors should call ahead.

Admission is \$24 per adult and \$15 for children ages 3 to 11. The all-inclusive ticket provides admission for KSC tours, IMAX films and other attractions. A "Limited Admission" ticket of \$10 will provide access only to outdoor attractions and selected exhibits.



The Kennedy Space Center Visitor Complex is operated for NASA by concessioner Delaware North Parks Services of Spaceport, Inc. It is located on S.R. 405 (aka the NASA Causeway) between the Kennedy Space Center (KSC) Industrial Area on Merritt Island to the east and U.S. 1 on the mainland to the west.

The origins of a visitor center for KSC date to the 1960s when public curiosity mushroomed about the space program. At first, only drive-through tours were permitted, but as interest continued to mount, the need for a permanent visitors center became clear. A site was selected in the mid-1960s, and in August 1967, the first official visitors center was opened. Since then it has undergone a number of expansions and upgrades.

The Visitor Complex features a wide variety of exhibits and activities related to the space program, including guided bus tours of KSC and Cape Canaveral Air Station.

The excitement begins with the ticket plaza entranceway, modeled after the International Space Station. It includes an exhibit commemorating John F. Kennedy and his vision for America's space program, a multi-media orientation, a graphic representation of the Visitor Complex and an expanded information center.

The Galaxy Center offers the only back-to-back twin IMAX theaters in the world, showcasing three exciting, large-format motion pictures on screens 5-1/2 stories tall!

L5: First City in Space is the first film to accurately depict a future space settlement through the use of real NASA footage and data.

The Dream Is Alive gives an insider's view of the Space Shuttle program, and the thunderous sound system makes guests feel like they are standing on the launch pad during a Shuttle launch.

Mission to Mir shows how the world's two greatest powers finally discovered the value of friendship, including never-before-seen footage from the Russian Space Station Mir.

Early Space Exploration Exhibit provides visitors with a comprehensive history of key missions that



provided the foundation for our current space program. See the *Hall of Discovery*, *Time Tunnel*, and *Mercury Mission Control Room*.

The **Rocket Garden** and outdoor exhibits contain authentic rockets and spacecraft. Younger visitors can explore the space playground, complete with a one-fifth scale Space Shuttle/Space Station gym. *Explorer*, a full-scale model of a *Space Shuttle orbiter*, features a walk-through exhibit of the crew compartment and cargo bay. Located next to this are full-scale solid rocket boosters, an external tank and a *Launch Status Dome* with live briefings. A moon rock and other historical exhibits on human space flight are on display in the Gallery of Space Flight exhibit hall.

The **Apollo/Saturn V Center** offers an inspirational and exhilarating look into the U.S. space program's missions to the moon. Exhibits and films capture the excitement of building and testing the massive Saturn V rocket, the training of the astronauts, the triumphs and setbacks along the way, and the ultimate success of landing on the moon and returning safely to Earth. The centerpiece of the 100,000-square-foot complex is the 363-foot Saturn V rocket, the most powerful rocket ever built and one of only three moon rockets still in existence.

The Firing Room Theater recreates the atmosphere of the original firing room as it existed during the Apollo era. A pre-show draws guests into the drama of Apollo with a multi-screen presentation reflecting the energy and uncertainty of the lunar landing missions. The second theater, called the *Lunar Surface Theater*, dramatizes the significant moments of the flight of Apollo 11 when astronauts Neil Armstrong and Buzz Aldrin first walked on the moon in 1969.

The **International Space Station Center** features detailed full-scale re-creations of space station modules and other exhibits. Visitors also get an up-close glimpse inside the actual facility where NASA is processing the real components of the International Space Station.

The film "**Quest for Life**" presents the ever-present need for humans to search for life in this galaxy and explore the unknown reaches of the universe.

In a walk-through exhibit, **Robot Scouts** highlight NASA's unsung heroes, the unmanned planetary probes that paved the way for human space flight.

Exploration in the New Millennium is a new exhibit that explores the journey of exploration from the Vikings' discoveries of Greenland and Iceland to the Mars Viking Lander, the first U. S. probe to land on another planet in 1976.

LC39 Observation Gantry, located less than half a mile from Launch Pad 39A, stands 60 feet tall

and gives bus-tour visitors a bird's-eye view of KSC's two Shuttle launch pads.

Astronauts Memorial Space Mirror and The Center for Space Education

Kennedy Space Center Visitor Complex

Kennedy Space Center, FL 32899

Built and operated by:

The Astronauts Memorial Foundation, Inc.

The Center for Space Education

Mail Code: AMF

Kennedy Space Center, FL 32899

Information: (321) 452-2887

Hours/Admission:

The Center for Space Education is open 9 a.m. to 5 p.m., Monday through Saturday.

Admission is free.

Also at the KSC Visitor Complex are the Astronauts Memorial Space Mirror and the Center for Space Education, both tributes to fallen astronauts. Located on 13.5 acres (5.5 hectares) of land provided by NASA, they were built and are operated by The Astronauts Memorial Foundation, a nonprofit organization.

The **Astronauts Memorial Space Mirror** is a national tribute to 17 American astronauts who gave their lives to the quest to explore space. The black granite mirror measures 42.5 feet (13 meters) high by 50 feet (15.2 meters) wide. Engraved through the mirror-finished surface of the memorial are the names of the astronauts. By means of a computer program, the memorial rotates and tilts to track the sun during daylight hours. Sunlight projected through the astronauts' names appears to emblazon them against a reflection of the sky.



Astronauts Memorial Space Mirror on display at the Kennedy Space Center Visitor Center.

Adjacent to the *Space Mirror* is the *Wall of Deceased Astronauts*, which was dedicated in 2000. This enhancement to the memorial is a 6-foot by 6-foot granite wall featuring laser-engraved portraits and biographical descriptions of the 17 fallen astronauts. The descriptions include college and military histories, names of relatives, and information about missions flown and the accidents that claimed each astronaut.

The Center for Space Education is a “living memorial” to the honored astronauts. Located on six acres to the west of the Space Mirror, the facility encompasses 44,000 square feet (4,088 square meters) of state-of-the-art conference, classroom and instructional technology display areas.

The center houses the foundation’s Educational Technology Institute that provides training in instructional technology for educators and serves as a demonstration platform for cutting-edge instructional technology. Educators come from all sections of the country to take courses at the Center for Space Education.

Also located in the center are NASA’s educational programs at KSC, including the Educators Resource Center and Exploration Station. The former provides scientific and aerospace videos, text materials and 35mm slides which can be copied by teachers (only) for use in the classroom, and the latter provides programs for student groups and a hands-on science activities room open to the public.

Merritt Island National Wildlife Refuge and Cape Canaveral National Seashore

Kennedy Space Center, Fla.

KSC comprises 140,000 acres, much of which are a wildlife refuge that exists alongside the launch pads, processing facilities and other sites, including the hazardous rocket propellant facilities. This other kind of “space” that comprises more than 500 different species of wildlife and 1000 species of plants bears testimony that nature and technology can peacefully coexist.

When KSC was first established, NASA bought all of northern Merritt Island to provide the needed isolation for launches, leaving huge tracts of undeveloped land in their natural condition. In 1963, in cooperation with NASA, the U.S. Fish and Wildlife Service established the Merritt Island National Wildlife

Refuge. In 1975 the Canaveral National Seashore was created and is managed by the National Park Service. The refuge is one of the finest in the United States, managing habitat for 21 federal- and state-listed threatened and endangered species, more than any other single refuge in the U.S.

Wildlife Refuge

Information:

*Refuge Manager, Merritt Island
National Wildlife Refuge
P.O. Box 6504
Titusville, FL 32782
(321) 861-0667*

Hours/Admission:

*8 a.m. to 4:30 p.m. Monday-Friday
9 a.m. to 5 p.m. weekends
Closed on federal holidays and
Sundays from April-October*

The Visitor Information Center is located on KSC, S.R. 402, four miles east of Titusville. It offers displays describing the wildlife and habitats of the refuge, plus educational resources are available for sale through the book store. A wildlife drive includes numbered stops that are described in a brochure from the Visitor Center. Several foot trails varying from one-half mile to five miles are also available.

Each Christmas, the Audubon Society conducts a count of the abundant bird population, many of which have migrated from points north. Fishing and duck hunting are permitted in season in certain areas; restrictions apply.



Cape Canaveral National Seashore

Information Center:

7611 South Atlantic Avenue (A1A)
New Smyrna Beach, FL 32169
(904) 428-3384
Open 9 a.m. to 4:30 p.m. daily except
Christmas Day and New Year's Day

Seashore Headquarters:

308 Julia Street
Titusville, FL 32796-3521
321-267-1110

Beach Hours/Admission:

6 a.m. to 6 p.m. in winter/
6 a.m. to 8 p.m. in summer
A daily use fee is collected to enter the
park.

Co-located with the wildlife refuge on KSC is the Cape Canaveral National Seashore, a pristine stretch of undeveloped beach extending from just north of Launch Pad 39B to a little south of New Smyrna Beach. The North District is located 7 miles south of New Smyrna Beach. The South District is 12 miles east of Titusville on S.R. 402. Boardwalks provide beach access across the dunes from parking areas. Walking on the dunes is prohibited. Swimming and surfing are permitted – lifeguards are stationed at two locations, Playalinda Beach and Apollo Beach, only from May 30 to Sept. 1.

Surf fishing is permitted free of charge to Florida residents. All non-residents of the state and all those fishing from a boat must have salt-water fishing licenses. They can be purchased at any county tax collector's office or at most bait and tackle shops. Boat ramps provide access to Mosquito Lagoon and the Indian River.

Four nature and historic trails can be found in the North District: Turtle Mound, Castle Windy, Eldora and Eldora Hammock.

The Information Center has exhibits, publications and information. Call 321-861-0667.

For information about programs led by Park Rangers, call or write the Information Center or Park Headquarters for a schedule or to make arrangements for your organization.

Limited backcountry camping in the Seashore is permitted on the beach Nov. 1 through April 30, and on designated islands all year, by permit only.

Brevard Community College Astronaut Memorial Planetarium

Brevard Community College
1519 Clearlake Road
Cocoa, FL 32922
Information and updates:
(321) 634-3732 or
(321) 632-1111, ext. 63500

Hours/Admission:

There is a nominal charge for the planetarium shows — please call the phone number above for days and times of shows. The museum, observatory and demonstration hall are open free of charge.



The BCC Astronaut Memorial Planetarium offers spectacular images of the solar system.

The Brevard Community college (BCC) Astronaut Memorial Planetarium is recognized as one of the best in the world. Located on BCC's Cocoa, Fla., campus, it incorporates ground-breaking technological advances that have yielded unparalleled images of the solar system.

Visitors to the Planetarium productions are treated to a view that is almost identical to the view of the sky as seen by astronauts orbiting the Earth hundreds of miles above its surface. The crisp, accurate and in-depth view of space is considered astonishing by international planetarium officials.

The 51,455 square-foot planetarium offers several other unique ways to explore outer space. Underneath its 70-foot-high (21-meter) aluminum dome, the building houses:

- the *International Hall of Space Explorers*, honoring space explorers from around the world, such as Yuri Gagarin and John Glenn;
- a fully accessible *observatory* featuring the largest publicly accessible telescope in Florida, a 24-inch (61-centimeter) adapted-Cassegrain telescope for observing dim objects and deep space;
- the *Science Quest Demonstration Hall* featuring hands-on exhibits and displays such as a Foucault pendulum and moon model, and participation in experiments illustrating scientific principles and aspects of space exploration;

U.S. Astronaut Hall of Fame

S.R. 405

Titusville, Fla.

Information: 407-269-6100

Hours/Admission:

Open 9 a.m. to 5 p.m. every day except Christmas Day, with extended hours during summer and holiday periods.

Adults, \$13.95; children age 6 - 12, \$9.95; children 5 and under admitted free.

The U.S. Astronaut Hall of Fame is dedicated to telling the stories of America's astronauts. Personal artifacts such as Apollo 11 astronaut Buzz Aldrin's report card; film footage; and real space hardware, like early space traveler Wally Schirra's Mercury capsule, bring the astronauts' stories to life.

Inside the U.S. Astronaut Hall of Fame theater, guests can watch *"To Explore,"* a film that points out how mankind has sought adventure and enlightenment through exploration, and that the dangers and complexities of space flight are why we owe it to the first American astronauts to honor them by keeping their dream alive.

Interactive exhibits and simulators allow guests to experience for themselves the thrill of flight. The G-force trainer centrifuge takes guests on a jet fighter training run, where they can pull up to "4 Gs" – four times the force of gravity. They also can feel the ease of walking on the moon, and test their skills on the *Land the Shuttle* simulator.

Also, guests can enter the world of aerial com-

bat in the *3-D 360*, a ride that allows the would-be pilot to execute soaring, banking and 360-degree barrel roll maneuvers, and climb aboard *The Shuttle To Tomorrow*, a full-scale Shuttle model that takes them on a multimedia trip into the future.

The U.S. Astronaut Hall of Fame is the joint venture of the Mercury Seven Foundation and the U.S. Space Camp Foundation. Both are nonprofit organizations dedicated to encouraging science and technical education.

U.S. SPACE CAMP

6225 Vectorspace Blvd.

Titusville, FL 32780-8040

Information: 1-800-897-5798 or
(321) 267-3184

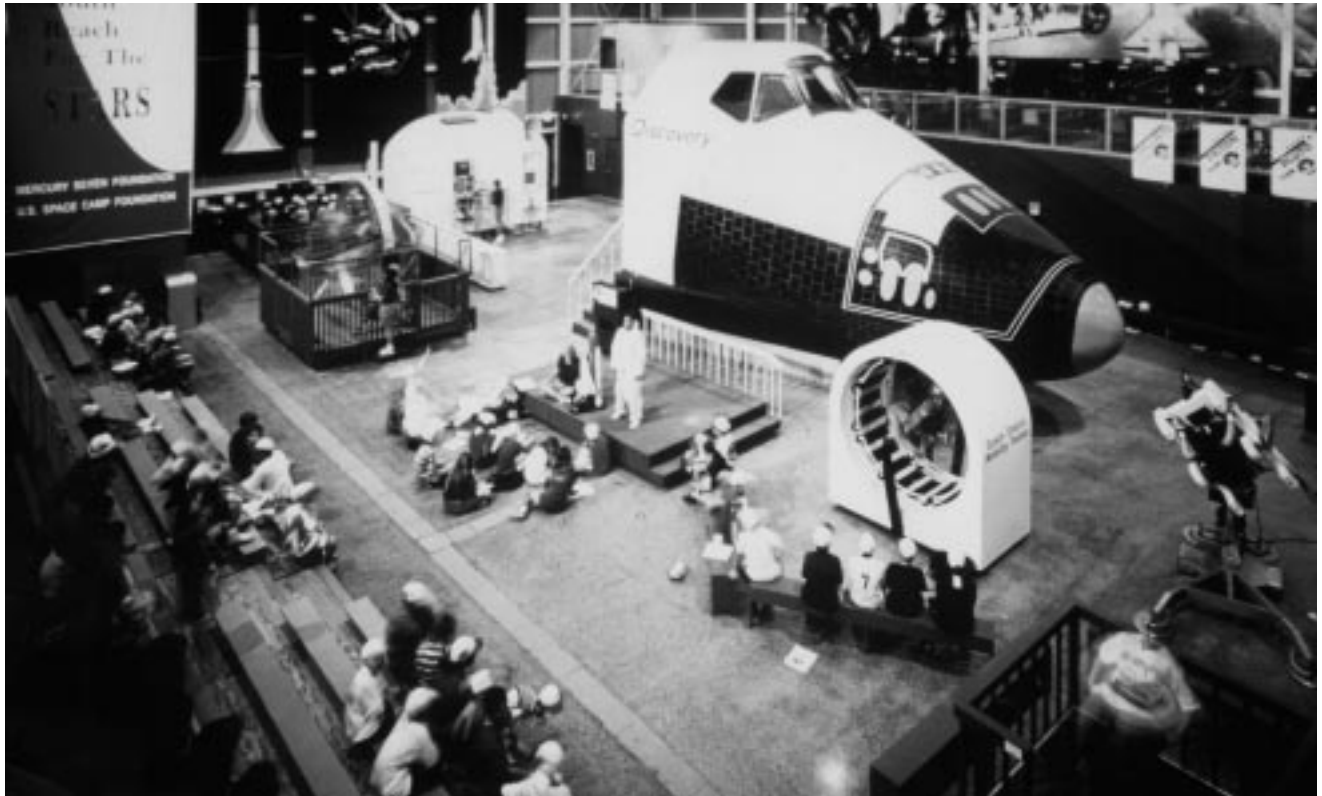
The first space Camp opened in Huntsville, Ala., in 1982. The program was so popular that it was expanded to Florida on a site adjacent to NASA's Kennedy Space Center, where all shuttle launch operations occur. Opened in 1988, Space Camp Florida has trained more than 50,000 children from around the world. The variety of programs offered by Space Camp are aimed at encouraging young people to study aerospace, science and math by exposing them to space technology.

U.S. Space Camp Florida brings to life a dynamic concept in hands-on education through a residential camp where children can train like real astronauts in a facility equipped with state-of-the-art simulators and hands-on exhibits. They can also learn about the history of the American space program through the interactive museum exhibits at the Astronaut Hall of Fame, which includes artifacts like astronaut Wally Schirra's Mercury capsule, Sigma 7, and the command module from Apollo 14.

Programs at the private, nonprofit science camp let youngsters learn about space science, study rocket propulsion, experience astronaut training simulators from different eras of the space program, and participate in simulated Space Shuttle missions using realistic Shuttle and mission control mockups. Student programs are available as five-day camps while three-day parent/child weekend camps let adults share the astronaut experience with their children.

U.S. Space Camp also offers a five-day program designed for professional educators.

U.S. Space Camp Florida is the joint venture of the U.S. Space Camp Foundation and the Mercury Seven Foundation. Both nonprofit educational foundations share the mutual goal of supporting space science education in America.



A variety of programs are offered at SPACE CAMP for students, children and their parents, and educators.

Space Academy for Educators is designed to assist professional educators in motivating young people toward greater achievement in science and math by providing them with exciting space science and astronaut-style training resources and applications. The excitement of the space program can recharge batteries, presenting educators with a launching pad for new ideas.

For more information about Space Camp programs, call 1-800-63SPACE.

U.S. Space Walk of Fame

*North Indian River Avenue
Titusville, Fla.*

*Information: (321) 267-1141 or
(321) 784-6222*

Hours/Admission:

The Space Walk is a public attraction open at all times. There is no admission charge.

The U.S. Space Walk of Fame is located at Space View Park, along north Indian River Avenue in Titusville. A tribute to the astronauts and workers of America's human space flight programs, the

Space Walk of Fame features a promenade of walkways, seating areas, outdoor displays and educational and interpretive stations that explore the specific achievements of space pioneers. The first exhibit, Project Mercury, which was unveiled in May 1995, includes a 20-foot (six-meter) sculpture depicting the astronomical symbol of the planet Mercury, which was used as the Project Mercury emblem. The exhibit also features bronze tablets with hand prints and signatures from the Mercury astronauts as well as flight data.

Another exhibit honoring the human space flight programs succeeding Mercury is the Gemini Monument, completed and dedicated on November 7, 1997. Others in the planning stages are Apollo, Skylab and the Space Shuttle. The Apollo monument broke ground on July 16, 1999, exactly 30 years after the liftoff of Apollo 11. The Space Shuttle Monument will be dedicated after the Apollo monument is completed.

In addition to the outdoor displays, the riverwalk provides excellent public viewing areas of the Shuttle launch pads located almost directly due east on Kennedy Space Center. Restaurants and antique stores are located nearby and the Space Walk also is conveniently close to the Merritt Island National Wildlife Refuge, the Canaveral National Seashore, U.S. SPACE CAMP and the Kennedy Space Center Visitor Complex.

